



# SOLVAY MINERALS

TO: Distribution

FROM: Dolly A. Potter

DATE: December 17, 1996

RE: OCI and TG Air Quality Permit Application Emission Rates

The following tables summarize the emission rates OCI and TG have submitted to WDEQ in their recent permit applications. If you are interested in seeing part or all of the applications, let me know. I do have complete copies of both.

## OCI (Ash increase of 989,880 TPY, trona of 1,865,880 TPY)

Source	Particulate gn/dscf	Particulate lb/ton	Particulate PPH**	MM Btu/hr	NO <sub>x</sub> lb/MMBtu	CO lb/MMBtu
Baghouse	0.01	N/A		N/A	N/A	N/A
Dryer ESP	0.017	0.06	4.6	103	0.05	1.11
Calciner ESP	0.017	0.06	10.0	230	0.05	0.83
Boilers 4&5*				400	0.1	

\* Taking an operating restriction of 8760 hours per year total for the two boilers.

\*\* Note: The 0.06 lb/ton and PPH of Particulate don't jive with production rates!! Utilizing those numbers, emissions would be 6.8 PPH for the dryer and 12.8 PPH for the calciner.

Ore to ash is 1.885

## TG (Ash increase of 750,000 TPY, mine water of 9,855,888 TPY)

Source	Particulate gn/dscf	Particulate lb/ton	Particulate PPH	MM Btu/hr	NO <sub>x</sub> lb/MMBtu	CO lb/MMBtu
Baghouse	0.01	N/A		N/A	N/A	N/A
Dryer ESP	0.01		3.35	120	0.05	0.09
Boiler				431.6	0.05	0.09

Distribution: RLC, DSL, PCJ, RAH, JPM, D. Gaige

**FAX****Solvay Minerals Inc.**  
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**Date** December 18, 1996**Number of pages including cover sheet** 3**To: Dave Luzmoor**  
**Solvay Minerals**  
**c/o Kvaerner Davy****From: Dolly Potter**  
**Phone 307-872-6571**  
**Fax Phone 307-872-6510****Message**

Dave,

Following are tiny copies of the files I thought I sent you yesterday and will be re-sending today. (I'll throw a disk in fed-ex today with the files too.)

*Dolly A. Potter*

I talked to Tg - they will  
let me know the low NO<sub>x</sub>  
burner vendor later today or tomorrow.  
Said can do 0.05 w/ no refractory,  
but no temperature above 1200°.

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